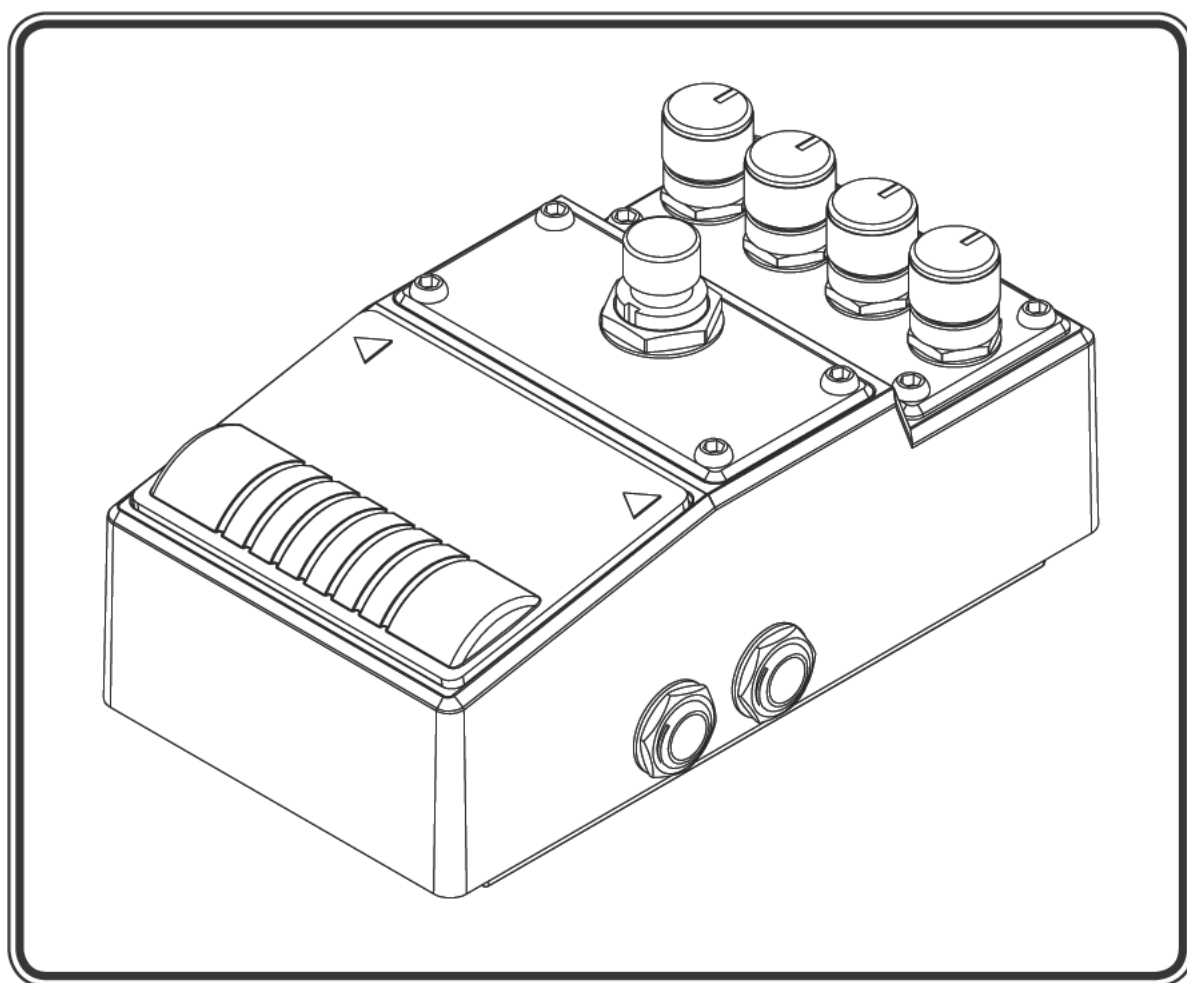


Stomp ACE DELAY



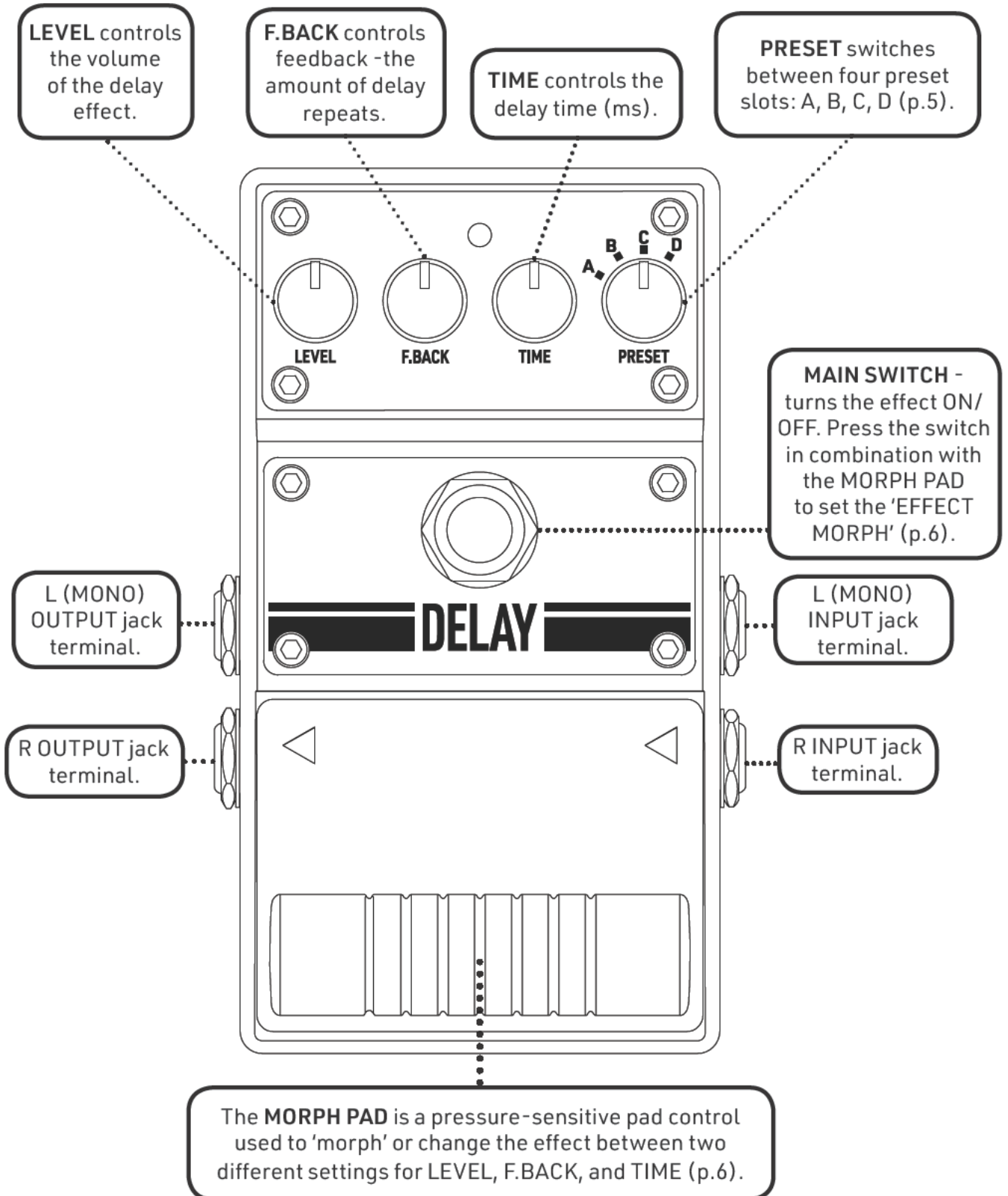
User's Manual



Ver. 1.00

Stomp ACE

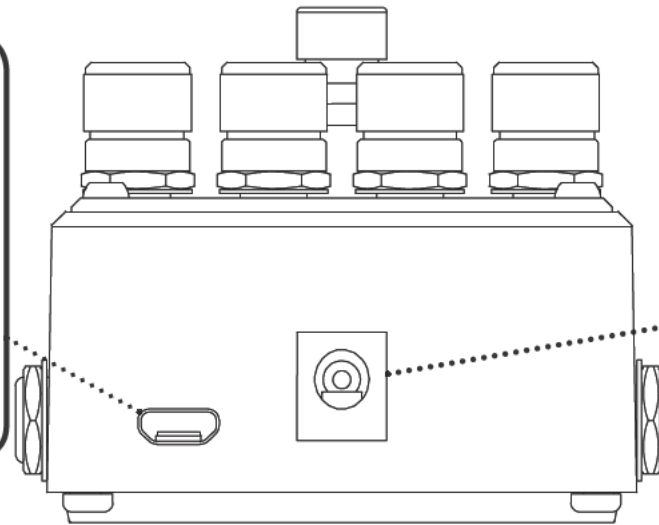
1. Top Panel Controls



Stomp ACE

2. Rear Panel

USB micro-B input terminal. Enables Stomp ACE connection to a computer for preset programming and firmware upgrades. The pedal can also operate on USB bus power. A 5V, 1A power supply or greater is recommended.



POWER DC IN. This terminal is used to connect an AC adapter. A standard 9V +/- polarity adapter for guitar pedals can be used.

Rating: 5V to 15V, 250mA or greater. The plug's center pin size is 2.1mm.

3. Basic Operation

- Connect the AC adapter to the DC IN or USB bus power to the USB connector.
- Turn down the volume on the amplifier before connecting your instrument and effects.
- This Stomp ACE pedal will power on when the L(MONO) INPUT is connected, and is ready to use after the LED color sequence lights 'red-green-blue'.
- Press the MAIN SWITCH to turn the effect ON/OFF. The LED on the top panel will light to indicate the effect is on.
- When the EFFECT MORPH is set (p.6), the effect sound can be changed gradually by applying pressure to the MORPH PAD. The EFFECT MORPH is not set by default.

4. Specifications

- Controls: LEVEL, F.BACK, TIME, PRESET (A, B, C, D).
- Terminals: 1 x USB micro B, 1 x POWER DC IN, 4 x 1/4" Jacks = L (mono) / R INPUT, L (mono) / R OUTPUT.
- Power Requirements: 5~15V 250 mA DC, or USB micro-B 5V (1A or more is recommended).
- Max Input Level: 5 dBV.
- Input Impedance: 1 MΩ.
- Max Output Level: 5 dBV.
- Output Impedance: 1 kΩ.
- Dimensions: (H x W x D): 57 x 72 x 119 mm / 2.24" x 2.83" x 4.68".
- Weight: 360g / 0.8 lb.

In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

Stomp ACE

5. Effect Controls

Stomp ACE DELAY is a true dual-channel stereo delay effect pedal with a maximum delay time of either 1000ms or 2000ms, depending on the Delay Type setting and the input source processed (Mono, Stereo).

Using the EFFECT MORPH function, you can articulate dynamic effect changes while playing, such as increasing the feedback and the number of delay repeats, or momentarily altering the delay time to produce pitch fluctuations.

- Turn the **LEVEL** knob to adjust the volume level of the effect. In practice this works like an effect send. The dry input signal is not changed.
- Turn the **F.BACK** (feedback) knob to adjust the amount of delay repeats.
- Turn the **TIME** knob to adjust the delay time. The maximum delay time available depends on the **Delay Type** setting of a preset and if either a mono (L) or a stereo (L,R) input source is being processed (see table).
- Turn the **PRESET** knob to switch between the four effect presets loaded in slots A, B, C, D.

Maximum Delay Time: Delay Type & Input Source

Max Delay Time	Delay Type	Input Source
1000ms	Normal Reverse Loop Reverse Loop	Stereo Mono, Stereo Mono, Stereo Mono, Stereo
2000ms	Normal Panning LR Panning RL Time x2	Mono Mono, Stereo Mono, Stereo Mono, Stereo

When the Tap Tempo Mode is enabled (p.7), the current delay time is set by tapping on the MORPH PAD until the TIME knob is (re)adjusted again.

Stomp ACE

6. Presets

A 'Preset' stores all the settings of an effect. Stomp ACE DELAY is preloaded with four factory presets:

[A] DIGITAL	<p style="text-align: center;">Delay Type = Normal</p> <p>This is clear sounding digital delay preset with no tonal coloration from additional processing. A really useful general delay preset that sounds great in any effects chain.</p> <p>Tap Tempo = ON (1/4 notes). Lowest Tempo setting = 30 bpm (mono), 60 bpm (stereo).</p>
[B] ANALOG	<p style="text-align: center;">Delay Type = Panning RL.</p> <p>A classic 'ping-pong' stereo delay. The first delay repeat is heard in the right channel followed by a second repeat in the left channel. TIME controls both the L and R channels. A max 1000ms delay time is available for the R channel, and a max 2000ms delay time for the L channel. This preset emulates the sound quality of a retro analog delay unit through additional processing: EQ dampening, detune modulation, and compression.</p> <p>Tap Tempo = ON (1/4 notes). Lowest Tempo setting = 30 bpm (mono / stereo).</p>
[C] SWELL	<p style="text-align: center;">Delay Type = Normal</p> <p>This ambient preset applies a gate-controlled envelope with a slow attack to the wet signal before delay processing. The end result is a subtle swell delay effect that is heard best when playing single notes or chords that trigger the envelope. A little modulation and ambience processing complete this cool effect.</p> <p>Tap Tempo = ON (1/4 notes). Lowest Tempo setting = 30 bpm (mono), 60 bpm (stereo).</p>
[D] REVERSE	<p style="text-align: center;">Delay Type = Reverse</p> <p>This preset delivers a crystal-clear sounding reverse delay effect with no additional processing.</p> <p>Tap Tempo = ON (1/4 notes). Lowest Tempo setting = 60 bpm (mono / stereo).</p>

Loading Presets

The **Stomp ACE Updater** application loads new preset data into slots A, B, C, D. The updater software (Windows, Mac OS), preset data, along with instructions for loading presets are all available on our website.

The available Stomp ACE DELAY presets use all the different delay types to expand the sonic possibilities!

Stomp ACE

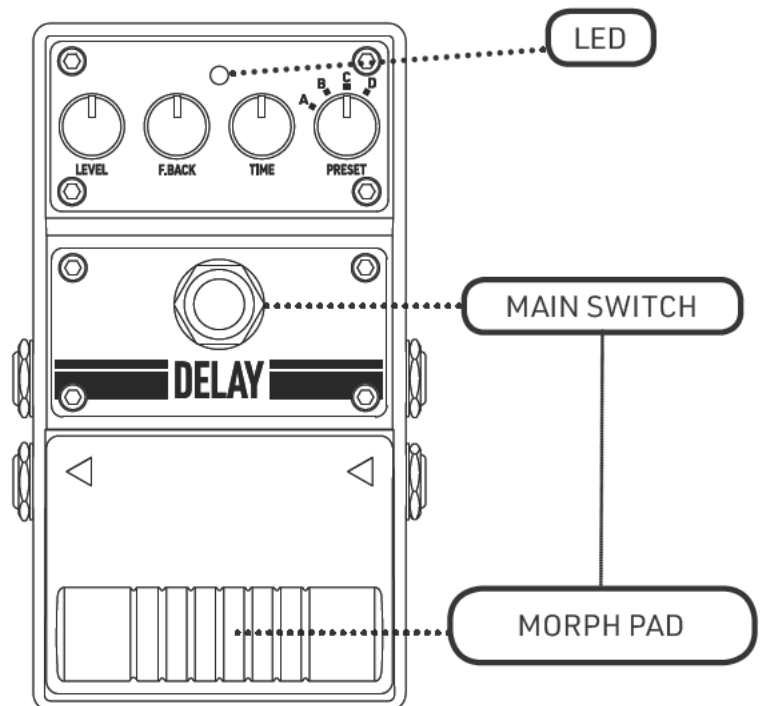
7. Effect Morph

Stomp ACE DELAY is equipped with a pressure-sensitive pad control (MORPH PAD) that is used to 'morph' or transition between two different effect settings. This function is called **EFFECT MORPH**.

To use EFFECT MORPH, selected knobs (LEVEL, F.BACK, TIME) are first set to 'target value' positions that correspond to maximum pad pressure. The 'start value' knob positions that correspond to zero pad pressure can be above or below the target values. This function allows you to create complex effect setting morphs that are instantly remapped when making further knob adjustments.

To enter the **EFFECT MORPH Setting Mode**:

1. Press the MAIN SWITCH in for 2 seconds while applying pressure to the MORPH PAD.
2. The LED flashes blue to indicate EFFECT MORPH Setting Mode.
3. Adjust the knobs (LEVEL, F.BACK, TIME) to target positions (pressure = max). If you do not touch a knob then its value will not be mapped to MORPH PAD control.
4. To exit EFFECT MORPH Setting Mode press the MAIN SWITCH once.
5. Reset the knobs to start positions for the effect morph (pressure = 0).
6. Now when pressure is applied to the MORPH PAD, the LED turns blue and you will hear the effect change.



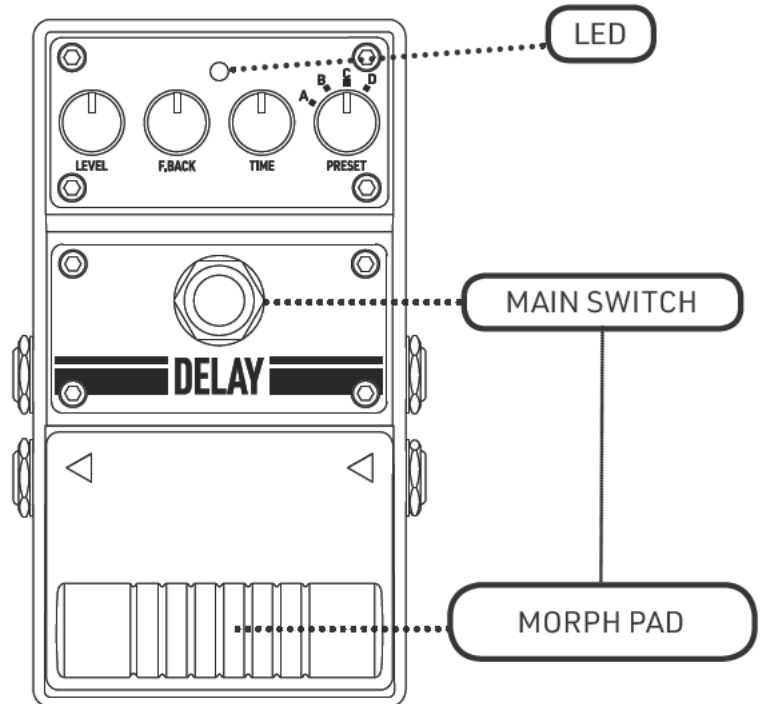
- Repeat steps 1. to 4. to set new target positions for an existing effect morph.
- Entering and exiting the EFFECT MORPH Setting Mode without touching any knobs will clear (delete) the current effect morph settings.
- Effect morph settings remain stored in internal memory when the pedal is turned off, and will be restored automatically when the pedal is turned on again.

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8. Tap Tempo

To enter **Tap Tempo Mode**:

1. Press and release the MAIN SWITCH while pressing the MORPH PAD. The LED color turns green to indicate that Tap Tempo Mode is active.
2. Tap the MORPH PAD to set the tempo. The green LED will flash in time with each tap.
3. The LED turns yellow and flashes to indicate the set tempo, or will turn red if the tapped tempo is out of range* for the note subdivision.
4. If the tempo is out of range, tap the tempo again on the MORPH PAD until it is within range (LED turns yellow).
5. To exit Tap Tempo Mode, press the MAIN SWITCH once.



*The available tempo range is 20 bpm to 600 bpm.

The LED turns red if the tapped tempo is too slow for the preset's maximum delay time. In that case, the delay time is reset automatically to the maximum possible value for the preset.

9. Safety Precautions



Warning

This symbol indicates a hazard that could result in death or serious injury.

Never try to disassemble, or modify the unit.

Do not use or store in the following locations:

- Locations of high temperature (such as direct sunlight, near heating equipment).
- Moist or humid locations (near a bath or shower, or on a wet floor).
- Locations subject to salt damage.
- Locations subject to water or rain.
- Excessively dusty or sandy locations.

Do not apply too much pressure or tension or place a heavy object on the power cord. Doing so may damage the power cord and create a danger of fire or electrical shock.

Turn off the unit and unplug the AC adapter from the outlet and contact your local dealer or the manufacturer for repair in the case of any of the following:

- If the AC adapter, power cord, or plug is damaged.
- If smoke is emitted or an abnormal odor is noticed.
- If liquid or a foreign object enters the unit.
- If an abnormality or malfunction occurs in the unit.

Disconnect the power plug from the AC outlet if not using the unit for an extended period, or if lightning is expected. Failure to do so may cause electric shock, fire, or malfunction.

Never unplug the AC adapter while your hands are wet.

Do not disturb the heat radiation from the AC adapter. Built-up heat can deform the case or cause a fire hazard.

Be sure to use an AC adapter within the rated range.

* "AC adapter" includes power supplied via USB.

FCC COMPLIANCE

This device complies with part 15 of the FCC rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

For customers in Canada, this Class B digital apparatus complies with CAN ICES-3B/NMB-3(B).

9. Safety Precautions (Cont.)



This symbol indicates that in EU countries, this product must be collected separately from household waste, as defined in each region.

Products bearing this symbol must not be discarded together with household waste.

10. Use Precautions

Cleaning:

Do not use solvents (such as benzene, paint thinner) on the unit, since these may dull the finish or damage the surface.

Power:

Stomp ACE can use an AC adapter with a standard plug whose center pin is $\Phi 2.1$ mm.

Supports both center plus (+) and center minus (-) polarities.

Voltage and current ratings are within 5 to 15 VDC, 250 mA or more.

Power can also be supplied from the USB micro-B connector.

A 5V 1A or greater power supply is recommended.

Precautions When Connecting:

- To prevent malfunction and equipment failure, always turn down the volume, and turn off all the devices before making any connections.
- Once the connections have been completed, turn on the power to your various devices in the order specified. By turning on devices in the wrong order, you risk causing malfunctions and/or damage to speakers and other devices.

When powering up: Turn on the power to your guitar amp last.

When powering down: Turn off the power to your guitar amp first.

- This unit is equipped with a protection circuit. A brief interval (a few seconds) after power up is required before the unit will operate normally.
- Turn off the unit and unplug the AC adapter if an abnormality or malfunction occurs, and contact the dealer or the manufacturer.